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	orer the Pa	perwork Reduction Act of 1995, no persons are required to re	espond	Pate I to a coli	ent and i lection of	ragema informa	ation unless it di	splays a valid OMB c	COMMERC Control nur	nber.	
		UTILITY	Attorney Docket No. R290.12-0029								
	S	PATENT APPLICATION	First				Identifier	Chang-Dong F		l	
-	PTO	TRANSMITTAL	Title	FL	OW-TH	HROL	IGH CONDL	JCTIVITY SENS		0	
(0)	oly for new	non-provisional applications under 37 C.F.R. § 1.53(B))	Expr	ess Mai	i Label N	Vo.	EV1780255	07US	ĺ	5. P 543	
	See MPEP	APPLICATION ELEMENTS chapter 600 concerning utility patent application content	's.	Add	dress	To:	Commission P.O. Box 145	tent Applicati n per for Patents 50 VA 22313-1450		54 U. 0/735	
1.	X	*Fee Transmittal Form e.g., PTO/SB17) (Submit an original and a duplicate for fee processing)		7.			OM or CD-R ir outer program (n duplicate, large ta (Appendix)	able or	87 🗏	
2.		Applicant Claims small entity status			Nucleo	tide an	nd/or Amino Aci	d Sequence Submis	ssion		
3.	X	Specification [Total Sheets (preferred arrangement set forth below - Descriptive title of the Invention)]]	8.		oplicab.	le, all necessar	y) .	33.011		
		 Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention 			b.	i.	fication Sequen ☐ CD-ROM o .☐ Paper	ce Listing on: r CD-R (2 Copies); o	or		
		 Brief Summary of the Invention Brief Description of the Drawings (if filed) 	1		C.			ying identity of abov			
		- Detailed Description		ACCOMPANYING APPLICATION PARTS							
		- Claim(s) - Abstract of the Disclosure		* 9. 10		37 (ignment Paper C.F.R. § 3.73(b en there is an a	•	cument(s Power Attorne	of	
	_	·	_	11.		Eng	lish Translation	n Document (if appli	cable)		
4.	X	Drawing(s) (35 U.S.C. § 113) [Total Sheets 8]]	12.			rmation Disclos tement (IDS)/P		Copies Citation	s of IDS ns	
5.	Oath	or Declaration [Total Sheets 3]]	13.			liminary Amend				
	a.	■ Newly executed (original or copy)		14.	X		urn Receipt Po ould be specific	stcard (MPEP 503)			
	b .	Copy from a prior application (37 C.F.R. § 1.63 (for continuation/divisional with Box 18 completed)	(d))	15.		Cer	·	Priority Document(s)			
		i. <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior applicati	ion	16.		(b)(quest Under 35 USC ant must attach form		/35	
6	X	see 37 C.F.R. §§1.63(d)(2) and 1.33(b		17.	X		•	the amount of \$40.0	0 and \$89	92.00	
Application Data Sheet. See 37 CFR 1.76 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation in part (CIP) of prior application No: / Prior application information: Examiner Group/Art Unit: FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.											
		17. CO				70.5	1 - 17 (1 - 1 - 3		11111		
	☐ Cus	stomer Number or Bar Code Label (Insert Customer No). or Ati	tach bar	code labe	l here)	or 🗵	Correspondence add	iress belo	w	
Name Christopher R. Christenson											
WESTMAN CHAMPLIN & KELLY Suite 1600 – International Centre											
Ad	dress	900 South Second Avenue									

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Name	(Print/type)	Christopher R. Christens	on		Registration No. (Attorney/Ag	ent)	42,413
Signat	ture	Ce Ce				Date	12/12/03

State

MN

								Comple	ete # Knov	wn				
FEE TRANSMITTAL							Application No.							
								Date		D	December 12, 2003			
							First Named Inventor				Chang-Dong Feng et al.			
							Title				FLOW-THROUGH CONDUCTIVITY			
										s	SENSOR			
								Art Un	it					
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Total Amount of Payment \$892							Atty. D	Docket N	Number	. R	290.12-0029			
	ME	THOD O	F PAY	MENT (C	heck One)		FEE CALCULATION (Continued)							
1. 🗵 T	ne Direct	or is hereb	v author	ized to cha	arge any addition	onal fee	3. ADDITIONAL FEES							
required	under 37	7 C.F.R. §	1.16 and	1.17, ind	uding any petit	ion fee,	Large	Large Entity Small Entity						
		er paymen plin & Kelly		MOOD HOOD	unt No. <u>23-112</u>	<u></u> .	Fee					ee		
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2. 161 C	neck En	aosea					1051	130	2051	65	5 Surcharge - Late filing fee or oath			
,		FE	CALC	ULATIO	N		1052	50	2052	25				
1. BAS	SIC FILI	NG FEE					1053	130	1053	130				
Large	Entity	Small	Entity				1812	2,520	1812	2,520				
Fee	Fee	Fee	Fee				1251	110	2251	55				
<u>Code</u>	<u>(\$)</u>	<u>Code</u>	<u>(\$)</u>	Fee D	escription		1252	420	2252	210				
1001	770	2001	385	⊠ Ut	ility Filing Fee		1253	950	2253	475	• •			
1002	340	2002	170	□Des	sign Filing Fee		1254	1,480	2254	740	Extension for reply within fourth month			
1004	770	2004	385	□Rei	ssue Filing Fee	•	1255	2,010	2255	1,005	Extension for reply within fifth month			
1005	160	2005	80	□Pro	v. Filing Fee		1402	330	2402	165	Filing a brief in support of an appeal			
•					Subtotal	(1) \$ 770	1403	290	2403	145	Request for oral hearing			
2. EXT	RA CL	AIM FEE	S				1814	110	2814	55	Terminal Disclaimer Fee			
	Numb Claim	oer Prid 18	or**	Extra	Fee from Below	Fee Paid	1452	110	2452	55	Petition to Revive - unavoidable			
Total	22	20		2	18	36	1453	1,330	2453	665	Petition to Revive - unintentional			
Indep.	4	3		1	86	86	1501	1,330	2501	665	Utility/Reissue issue fee (inc. advance copies)			
Multiple Dependent Claims							1502	480	2502	240	Design issue fee (inc. advance copies)			
** Insert 3 and 20, or number previously paid if greater, Reissue see below							1460	130	1460	130	Petitions to the Commissioner			
Large I Fee Code	Entity Fee _(\$)	Small E Fee Code	ntity Fee _(\$)_	Description	on		1807	50	1807	50	Petitions related to provisional applications			
1202 1201	18 86	2202 2201	9 43		excess of 20 ent claims in e	xcess of 3	1806	180	1806	180	Submission of Information Disclosure Statement			
1203	1203 290 2203 145 Multiple Dependent Claims						8021	40	8021	40	B			
1204 86 2204 43 Reissue Independent Claims over Original Patent 1205 18 2205 9 Reissue claims in excess of 20						s of 20				.•	property (times number of properties)			
				and over	original patent) Other F	ee (speci	iry)					
					Subtotal	(2) \$ 122	L				Subt tal	(3) \$		

Signature

(Christopher R. Christens n)

Reg. No. <u>42,413</u>

Deposit Account No. 23-1123